



Ratio and Proportion; Unitary Method; Perimeter and Area of Plane Figures; and Probability

WORKSHEET 5

Question 1	<p>Which one of the following has the largest area?</p> <ul style="list-style-type: none">• a circle with diameter of 10 cm• a rectangle that measures 12 cm by 11 cm• a circle with radius of 6 cm• a square whose each side is 11 cm
Question 2	<p>The sides of a square field are 10 m. A sprinkler in the centre of the field sprays a circular area with a diameter that corresponds to a side of the field. About how much of the field is not reached by the sprinkler?</p> <ul style="list-style-type: none">• 68.6 sq. m• 21.5 sq. m• 31.4 sq. m• 314 sq. m
Question 3	<p>When a dice is thrown, what is the probability of getting a number greater than 6 on the top?</p> <ul style="list-style-type: none">• $1/52$• $1/13$• $1/6$• 0

Question 4	<p>What is the number of face cards in a pack of playing cards?</p> <ul style="list-style-type: none"> • 52 • 12 • 4 • 16
Question 5	<p>The ratio of boys to girls in the 7th grade at ABC Academy is 3 : 5. If there is a total of 40 seventh graders, then how many girls are there?</p> <ul style="list-style-type: none"> • 5 • 15 • 25 • 30
Question 6	<p>Clara makes cookies in batches of 24. She needs to make enough cookies for 134 people. If she makes 7 batches of cookies and each person gets one cookie, how many cookies will be left?</p> <ul style="list-style-type: none"> • 168 cookies • 34 cookies • 134 cookies • 7 cookies

<p>Question 7</p>	<p>A civil engineer is studying the blueprint of an old building in order to find the safest way to demolish it. The main hall of the building is 5 cm long on the blueprint. If the hall is 85 m in real life, then what is the scale of the blueprint?</p> <ul style="list-style-type: none"> • 1 cm = 17 m • 1 m = 17 cm • 1 cm = 85 m • 1 m = 5 cm
<p>Question 8</p>	<p>A box of 15 markers costs ₹ 552.75. At the same unit price, how much will a box of 40 markers cost?</p> <ul style="list-style-type: none"> • ₹ 1747 • ₹ 1474 • ₹ 1447 • ₹ 1774
<p>Question 9</p>	<p>The difference between the circumference and radius of a circle is 111 cm. What is the diameter of the circle?</p> <ul style="list-style-type: none"> • 21 cm • 35 cm • 42 cm • 49 cm

Question 10 | 15 masons can build a wall in 20 days. How many masons will build the wall in 12 days?

- 25
- 20
- 30
- 35

- x -

Answers

Answer 1	a rectangle that measures 12 cm by 11 cm
Answer 2	21.5 sq. m
Answer 3	0
Answer 4	12
Answer 5	25
Answer 6	34 cookies
Answer 7	1 cm = 17 m
Answer 8	₹ 1474
Answer 9	42 cm
Answer 10	25

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